

WHAT IS CLAIMED IS:

1. A vehicle key system for verifying identity of
fingerprint information about a user's fingerprint and for
5 controlling pieces of equipment in a vehicle according to a
verification result, said system comprising:

a transmitter including a fingerprint information
capturing means for capturing fingerprint information from a
user's fingerprint, and a transmitting means for transmitting
10 the fingerprint information captured by said fingerprint
information capturing means together with a system-specific
identifier; and

a receiver disposed in the vehicle, including a receiving
means for receiving the fingerprint information and the
15 identifier transmitted from said transmitting means of said
transmitter, a verification means for verifying the received
fingerprint information against a list of pieces of previously
stored fingerprint information, and for verifying the received
identifier against a previously stored identifier, and a
20 control means for controlling said pieces of equipment in the
vehicle according to verification results from said
verification means.

2. A vehicle key system for verifying identity of
25 fingerprint information about a user's fingerprint and for
controlling pieces of equipment in a vehicle according to a
verification result, said system comprising:

a transmitter including a fingerprint information
capturing means for capturing fingerprint information from a
30 user's fingerprint, and a transmitting means for transmitting

00000000000000000000000000000000

information including at least one of the fingerprint information captured by said fingerprint information capturing means and a system-specific identifier;

a receiver disposed in the vehicle, including a receiving means for receiving the information from said transmitting means of said transmitter, a verification means for, when the received information includes the captured fingerprint information, verifying the received fingerprint information against a list of pieces of previously stored fingerprint information, and for, when the received information includes the system-specific identifier, verifying the received identifier against a previously stored identifier, and a control means for controlling said pieces of equipment in the vehicle according to at least a verification result from said verification means; and

a transmission information selecting means for selecting, as the information to be transmitted by said transmitting means, only the fingerprint information, only the system-specific identifier, and both of them, according to a manipulation performed by the user.

3. The vehicle key system according to Claim 2, wherein said transmitter includes a display means for displaying kinds of the information selected by said transmission information selecting means.

4. The vehicle key system according to Claim 2, wherein said transmission information selecting means includes an operation means that is manipulated by the user when selecting the information to be transmitted by said transmitting means

of said transmitter, and wherein said transmitter further comprises a selection information holding means for holding selection information indicating the selected information, and said receiver further comprises a selection information holding means for holding selection information indicating the selected information.

5. The vehicle key system according to Claim 4, wherein said transmitter includes said operation means.

10

6. The vehicle key system according to Claim 4, wherein said receiver includes said operation means.

15

7. The vehicle key system according to Claim 4, wherein both of said transmitter and said receiver include said operation means.

20

Sub A3 8. The vehicle key system according to Claim 4, wherein an operation unit intended for operating a piece of equipment disposed in said vehicle also serves as said operation means.

Sub B1

9. The vehicle key system according to Claim 8, wherein said equipment is a navigation device.

25

Sub A4 10. The vehicle key system according to Claim 4, wherein a pedal disposed in said vehicle also serves as said operation means.

30

Sub B1 11. The vehicle key system according to Claim 2, wherein if said verification means previously stores no fingerprint

information, when the received information includes the system-specific identifier, said verification means performs only the verification of the received identifier against a previously stored identifier.

5

12. The vehicle key system according to Claim 3, wherein if said verification means previously stores no fingerprint information, when the received information includes the system-specific identifier, said verification means performs
10 only the verification of the received identifier against a previously stored identifier.

13. The vehicle key system according to Claim 4, wherein if said verification means previously stores no fingerprint information, when the received information includes the system-specific identifier, said verification means performs
15 only the verification of the received identifier against a previously stored identifier.

20

14. The vehicle key system according to Claim 5, wherein if said verification means previously stores no fingerprint information, when the received information includes the system-specific identifier, said verification means performs
25 only the verification of the received identifier against a previously stored identifier.

15. The vehicle key system according to Claim 6, wherein if said verification means previously stores no fingerprint information, when the received information includes the
30 system-specific identifier, said verification means performs

DRAFT - 2020-02-02

only the verification of the received identifier against a previously stored identifier.

16. The vehicle key system according to Claim 7, wherein
5 if said verification means previously stores no fingerprint information, when the received information includes the system-specific identifier, said verification means performs only the verification of the received identifier against a previously stored identifier.

10

17. The vehicle key system according to Claim 8, wherein
if said verification means previously stores no fingerprint information, when the received information includes the system-specific identifier, said verification means performs
15 only the verification of the received identifier against a previously stored identifier.

20

18. The vehicle key system according to Claim 9, wherein
if said verification means previously stores no fingerprint information, when the received information includes the system-specific identifier, said verification means performs
20 only the verification of the received identifier against a previously stored identifier.

25

19. The vehicle key system according to Claim 10, wherein
if said verification means previously stores no fingerprint information, when the received information includes the system-specific identifier, said verification means performs
25 only the verification of the received identifier against a previously stored identifier.

add c' >

SEARCHED
INDEXED
SERIALIZED
FILED
APR 20 1995

Sub 1